

ABSTRACT OF THE DISCLOSURE

A coaxial resonator according to an embodiment of the invention includes a tubular dielectric block, an inner conductor having a thin-film, multi-layer electrode structure, which is formed on an outer surface of a cylindrical shaft received in the hole of the tubular dielectric block, and an outer conductor formed on an outer surface of the tubular dielectric block. The cylindrical shaft is inserted into the hole in the dielectric block, and is held by a holding member and an outer frame.